



CONSULTANT:

PROJECT NUMBER: 223214

Clark County
Elections Office TI

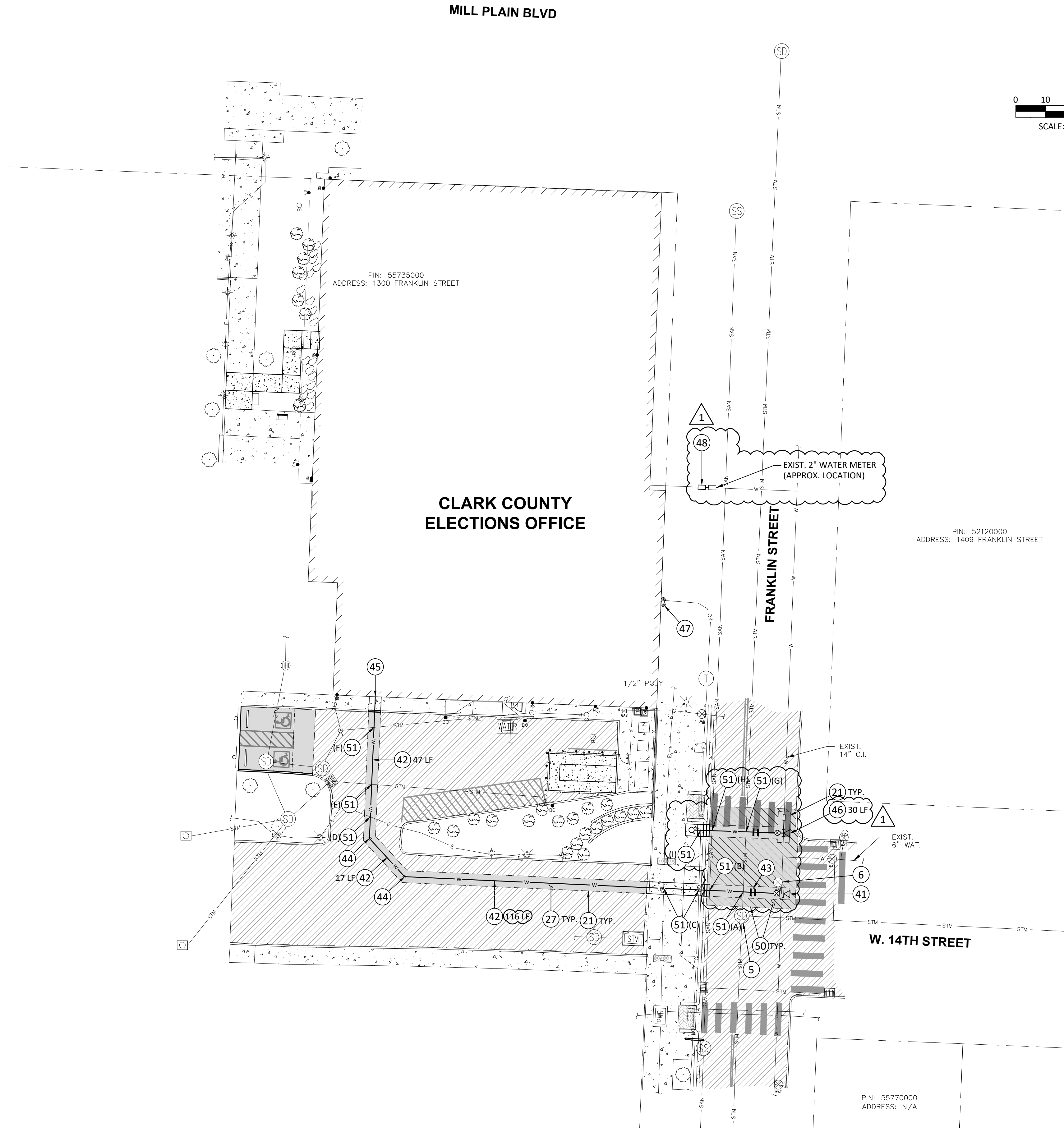
1408 FRANKLIN ST
VANCOUVER, WA
98660

SHEET TITLE:

WATER PLAN
PHASE 1

DRAWN BY: KDB/JDB
DATE ISSUED: 04/15/24
REVIEW SET: 05/03/24
PERMIT SET
ADDENDUM #1 06/20/24

SHEET:
C3.01



CONSTRUCTION NOTES:

- PROTECT EXISTING MANHOLE. ADJUST LID TO FINISH GRADE AS NECESSARY.
- PROTECT EXISTING WATER VALVE. ADJUST LID TO FINISH GRADE AS NECESSARY.
- SAWCUT EXISTING PAVEMENT/CONCRETE TO CREATE A CLEAN, VERTICAL EDGE.
- HMA PAVEMENT PER SECTION, SHEET C4.01.
- INSTALL:
1 - 14" x 6" S.S. TAPPING SLEEVE, M.J. x SIDE FLG.
1 - 6" TAPPING G.V., FLG. x M.J.
1 - VALVE BOX TOP WITH 6" PVC PIPE EXT.
1 - THRUST BLOCK
APPROX. 10 LF OF 6" Z.D.I. PIPE (FIELD FIT LENGTH). MECH. RESTRAIN ALL JOINTS.
- INSTALL FIRE SUPPRESSANT PIPE TO BUILDING. SEE PLAN FOR 6" Z.D.I. PIPE LENGTH. CONTRACTOR SHALL RESTRAIN ALL JOINTS AND PROVIDE NECESSARY FITTINGS.
- INSTALL:
2 - 6", 45° (VERTICAL) D.I. BEND, M.J. WITH MECH. JOINT RESTRAINTS
1 - 6", CL. 52 Z.D.I. NIPPLE (FIELD FIT LENGTH)
- INSTALL:
1 - 6", 45° D.I. BEND, M.J. WITH MECH. JOINT RESTRAINTS
- FIRE SERVICE POINT OF CONNECTION TO BUILDING. STATE APPROVED DCDA LOCATED WITHIN BUILDING, COORDINATE WITH PLUMBING PLANS.
- CUT EXISTING 14" MAIN AND INSTALL NEW FIRE HYDRANT PER DETAIL W10, SHEET C4.02, INCLUDING:
1 - 14" x 6" TEE, M.J. x SIDE FLG.
1 - 14", CL. 52 Z.D.I. NIPPLE (FIELD FIT LENGTH)
1 - 14" LONG PATTERN TRANSITION SLEEVE, M.J. (D.I.)
1 - 6" G.V., FLG. x M.J.
2 - 6", 45° (VERTICAL) D.I. BEND, M.J.
1 - VALVE BOX TOP 6" PVC PIPE EXT.
1 - THRUST BLOCK
1 - CONCRETE PAD (4" THICK, 2500 P.S.I.)
INSTALL 6" Z.D.I. WATERMAIN PIPE TO HYDRANT, SEE PLAN FOR APPROX. (COMBINED) LENGTH.
MECH. RESTRAIN ALL JOINTS AT POINT OF CONNECTION AND FROM HYDRANT TO TEE.
- FIRE DEPARTMENT CONNECTION PER FIRE SUPPRESSION PLANS.
- INSTALL STD. 2" DOUBLE CHECK VALVE ASSEMBLY (WATTS D007MI-QT-S2 OR APPROVED EQUAL) PER DETAIL W-21, SHEET C4.02. CONTRACTOR SHALL PLACE D.C.V.A. AS CLOSE TO EXISTING METER AS POSSIBLE, PROVIDE ALL NECESSARY FITTINGS, RESTORE EXISTING CONCRETE PANEL AND BRICK SIDEWALK FEATURES TO LIKE OR BETTER CONDITIONS, AND COORDINATE WITH COV INSPECTOR.
- PROVIDE TRENCH AND PAVEMENT RESTORATION PER CITY STANDARD PLANS T05-01B, T05-06A, T05-06B, AND T05-07, SHEET C4.03.
- CAUTION: UTILITY CROSSING, SEE UTILITY CROSSING TABLE (THIS SHEET) FOR ADDITIONAL INFORMATION.

UTILITY CROSSING TABLE:

- APPROX. FINISHED GRADE = 87.15±
EXIST. 12" STM. I.E. = 83.3±
PROP. 6" WAT. I.E. = 82.3±
INSTALL WATERMAIN UNDER EXISTING STORM, MAINTAIN MIN. CLEARANCE.
- APPROX. FINISHED GRADE = 86.96±
EXIST. 8" SAN. I.E. = 79.8±
PROP. 6" WAT. I.E. = 82.3±
INSTALL WATERMAIN OVER EXISTING SANITARY, MAINTAIN MIN. CLEARANCE.
- APPROX. FINISHED GRADE = 87.03-87.40±
EXIST. F.O. & PWR. I.E. = UNK.
PROP. 6" WAT. I.E. = 82.3±
INSTALL WATERMAIN UNDER EXISTING UTILITY, MAINTAIN MIN. CLEARANCE.
- APPROX. FINISHED GRADE = 82.73±
EXIST. PWR. I.E. = UNK.
PROP. 6" WAT. I.E. = 76.8±
INSTALL WATERMAIN UNDER EXISTING UTILITY, MAINTAIN MIN. CLEARANCE.
- APPROX. FINISHED GRADE = 81.91±
PROP. 8" STM. I.E. = 77.8±
PROP. 6" WAT. I.E. = 76.8±
INSTALL WATERMAIN UNDER EXISTING STORM, MAINTAIN MIN. CLEARANCE.
- APPROX. FINISHED GRADE = 81.96±
PROP. 8" STM. I.E. = UNK.
PROP. 6" WAT. I.E. = 76.8±
INSTALL WATERMAIN UNDER EXISTING STORM, MAINTAIN MIN. CLEARANCE.

GENERAL WATER NOTE:

- UNDERGROUND FIRE SPRINKLER SUPPLY MAINS SHALL BE INSTALLED ONLY BY CONTRACTORS IN COMPLIANCE WITH WAC 212-80 AND ENDORSED IN ACCORDANCE WITH VMC 16.04.095 UNDER SEPERATE PERMIT.

CONTRACTOR SHALL POTHOLE TO
VERIFY POINTS OF CONNECTION AND
CROSSINGS PRIOR TO CONSTRUCTION.

ALL PIPE DEFLECTIONS SHALL BE
WITHIN THE CONSTRAINTS OF THE
MANUFACTURE'S SPECIFICATIONS.

CONTRACTOR SHALL RESTORE
EXISTING CONCRETE PANELS AND
BRICK SIDEWALK FEATURES TO LIKE
OR BETER CONDITIONS AT ALL
DISTURBED AREAS.

- APPROX. FINISHED GRADE = 87.57±
EXIST. 12" STM. I.E. = 83.8±
PROP. 6" WAT. I.E. = 82.8±
INSTALL WATERMAIN UNDER EXISTING STORM, MAINTAIN MIN. CLEARANCE.
- APPROX. FINISHED GRADE = 87.43±
EXIST. 8" SAN. I.E. = 80.1±
PROP. 6" WAT. I.E. = 82.8±
INSTALL WATERMAIN OVER EXISTING SANITARY, MAINTAIN MIN. CLEARANCE.
- APPROX. FINISHED GRADE = 87.79±
EXIST. F.O. I.E. = UNK.
PROP. 6" WAT. I.E. = 82.8±
INSTALL WATERMAIN UNDER EXISTING UTILITY, MAINTAIN MIN. CLEARANCE.